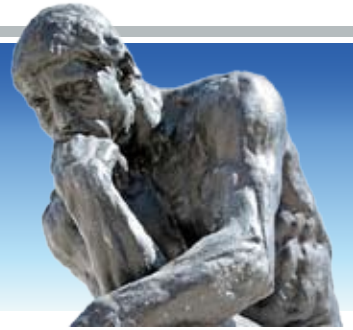
essential LCMS

System and Hardware Specifications

"The Definitive Learning Content Management System"



e-magine an LCMS that is robust, scalable and affordable.

e-magine what we can do together.

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SYSTEM REQUIREMENTS

eLogic Learning's eSSential™ LCMS is a web-based application that runs through a standard Web browser. The minimum hardware requirements are 486/66 MHz processor (Pentium processor recommended).

eLogic Learning's platform supports Microsoft's Internet Explorer version 5.5 and higher, Netscape version 7.0 and Microsoft's Internet Explorer for Macintosh version 5.2.

The default security settings of the browser are all that are needed to run the application. If the security settings are not set to the default then a check on the Scripting tab within the security settings of the browser will need to be checked. Make sure that the option to allow Active Scripting is enabled.

END-USER SYSTEM REQUIREMENTS

Administrative Users

Administrative (Admin) users will need to download two one time ActiveX plug-ins. The plug-ins are for eLogic's authoring tool and Crystal Reports report viewer. If the admin user does not have local admin rights to the PC that they will be using then these plug-ins will have to be installed by the client's IT staff. They can be pushed to the end user by a software distribution system, manually or automatically by just going to the eSSential platform and navigating to a content page.

Front End/Student Users

The student user will need no additional plug-ins or settings. The only plug-ins that would be needed would be the ones for Flash, Adobe (PDF) or Microsoft's Media Player (which comes standard with Windows OS).

TOOLS

Optional Plug-ins

Plug-ins are for eLogic Learning's content editing tool and Crystal Reports report viewer are recommended as these plug-ins are only needed if the client is using the Student Notes and Student Certificate Options.

Editing Tool Plug-in

This is a one time plug-in that will be needed for a student to create, maintain and edit their notes pertaining to a specific course. If the client uses a software management system to control what software is delivered to the desktop eLogic Learning can provide them with an executable version so they can push it to the end user's desktop.

Crystal Reports Report Viewer

This a one time Plug-in that will be needed for students to view their certificates of completion for a specific course. If the client uses a software management system to control what software is delivered to the desktop, eLogic Learning can provide them with an executable version so they can push it to the end user's desktop.

Java VM

Java virtual machine is required and the latest version can be obtained from Sun Microsystems at http://www.java.com.

LANGUAGES AND CURRENCIES SUPPORTED

The current eLogic platform supports 52 languages and 8 bit unicode. A list will be made available, as appropriate. US Dollars are the only currency we currently support, however, conversion to other currencies can be made available.

Databases Used

Standard - Microsoft SQL 2000

Editable/Un-editable Operator and System Administrator Documentation

The user manual can be made editable and is customized for each client.

FREQUENCY OF DOCUMENTATION UPDATES

Typically updates are released on a quarterly basis.

ESTIMATED FILE LOADING AND UNLOADING TIME

This is determined by the user's computer configuration and connectivity speed of the end user.

SYSTEM FLOW CHARTS

(information flow to/from major functions)

This is proprietary information and can be made available as the business partnership progresses.

VERSION/RELEASE HISTORY

eSSential v8.2 was released January 2005.

SYSTEMS INTEGRATION/ INTEROPERABILITY STANDARDS

The eSSential platform has a complete set of API's that allow for seamless integration into your corporate HRIS system via batch upload or direct connects. Integration into Microsoft Outlook is possible utilizing the eLogic Learning calendaring system that is built into the platform. This is unique to each client's specifications and will need some configuration. The platform's API's also allow for an easy and fast way to utilize single login and data sharing for most portals.

TECHNOLOGY STANDARDS

The eSSential platform conforms to most web standards including but not limited to IEEE, BOBY, 508c and Web Accessibility standards. The eLogic platform conforms to SCORM 2004, 1.3 and AICC standards for all of its course delivery methods.

SECURITY

The eLogic Learning platform employs proprietary security logic based on a unique user id and password. eLogic can also utilize LDAP and or Active Directory for single login (customized for each client).

HARDWARE AND HOSTING SERVICES

With respect to the Hardware and Hosting Services, eLogic Learning represents the following:

PORTALS

eLogic Learning will provide a secure network on a dedicated server for online hosting of the Platform.

DATA CENTER

Staff

eLogic Learning IT administrators and managers have many years of experience and backgrounds in *Fortune 500* companies, such as Ford Motor Company, Bell & Howell and Ticket Master to name a few.

Location

eLogic Learning's Data Center is located in Tampa, Florida. The building itself is a CAT5 building, which means that it can sustain hurricane force winds up to 150 miles per hour.

Security

eLogic Learning has a state-of-the-art security system consisting of motion sensors and electronic door locks that physically restrict access to the Data Center. A full time Security Analyst is employed to oversee and manage this system. The building itself has an alarm system and video surveillance cameras running 24 hours a day. If triggered, the local police are automatically notified. Access to the data center is restricted to qualified eLogic Learning personnel only.

HVAC

eLogic Learning's facility employs redundant air conditioning units, to ensure a temperature controlled environment. The temperature remains constant at 65 degrees (F), plus or minus two degrees. Humidity levels are not to exceed 40%.

Fire Suppression

eLogic Learning's fire suppression system is a state of the art gas system that does not use any liquids. This is in place to protect our servers and your valuable data.

Power Management

eLogic Learning's date center is located within and connected to two power grids. These are the same grids that supply power to the city police department and to the local hospitals. If for some reason the data center looses power we can become self-sufficient. We use redundant Leibert UPS power systems which provide our Data Center with clean steady power. We also employ Caterpillar diesel generators so that our facility can be supported and stay live without commercial power during any power outages.

Scheduled Maintenance

From 12AM to 8AM on Sunday of each week, eLogic Learning has the option of performing maintenance on the equipment in the data center. We strive to minimize any impact to the overall uptime for our clients. But there are times when maintenance is necessary. For those times when we need to use this window, or in the event of an unexpected emergency, we notify the client at least 24 hours in advance. This is accomplished via email. Each of our clients provides us with the proper email contact address. It is the client's responsibility to keep this current and updated with eLogic Learning.

STANDARD OPERATING EQUIPMENT

The following is a matrix of equipment and base software that we host and administer for our clients. If your equipment is not on this list, don't worry. It just means that we may have to acquire the proper skill sets or training. In that case, there may be additional charges to the client. We have the in-house

knowledge for any of

the items listed below. We also have business alliances with most of the companies listed. So we have easy and quick access to even more in-depth support, design analysis troubleshooting and other valuable tools:

Network: Cisco Routers, Switches, Hubs, Content Switch/Load Balancers

Servers: Dell, Compaq

Network storage: Dell, Compaq RAID arrays, Network Appliance, EMC.

Database: Microsoft SQL 2000

Monitoring: MediaHouse IPMonitor, Big Brother, MS SNMP

Webserving: Microsoft IIS 4.0, Microsoft IIS 5.0,

Operating Systems: NT Server 4.0, Windows 2000

Network Backup: ArcServeIT, HP Autoloader DLT8000

Racks: Dell

DEDICATED HARDWARE CONFIGURATION

All servers are Dell 2850

- 60 Gigabytes (GB) of Storage

Space

- Unlimited bandwidth. Excludes streaming video/audio module requiring review.
- Daily site and Database back-ups (see VII below)
- Performance rated at approximately 50,000 concurrent users

Application Server

- Dual P-IV 3.2 mhz Processor
- Three, 72 (GB) hard drives Raid 1, 2 (GB) of Ram
- 1 (GB) of Ram

Database Server

- Dual P-IV 3.2 mhz Processor
- Four 149 (GB) hard drives Raid 1, 104 (GB) of Ram

NETWORK

Connectivity: eLogic Learning has redundant connections to the Internet. We use multiple providers following unique data paths to ensure bandwidth availability and uptime. Our main and backup connections are OC3 fiber that are connected directly to the carriers back bone.

eLogic Learning uses CISCO Systems networking equipment: routers, switches and hubs. The backbone protocol and physical layout is a switched 10/100BaseT Ethernet network employing BGP routing

NETWORK BACKUPS

We use the latest in HP Autoloader DLT 8000 Tape technology and ArcServeIT software to backup your mission critical data.

- Full backup to tape once a week
- Incremental backup to tape everyday
- Two-week rotation for incremental backup tapes
- One-month rotation for full backup tapes
- Verification and reporting mechanisms in place
- Off-site tape storage
- Backups are performed between 6PM and 6AM eastern standard time. It is the Client's responsibility to ensure that all files to be backed up are available and not in any locked state.

- Monthly tape backup amount is calculated as the average of the weekly full backups during the month.
- For dedicated solutions, each server requires an ArcServeIT client license.
- Restore requests initiated by opening a helpdesk ticket with our support call center.

NETWORK SECURITY

eLogic Learning uses redundant Cisco PIX firewalls and IOS software to provide Network security. We also have a full-time security analyst on our staff that is Responsible for ensuring safety through regular security audits/fixes/and proactive protections, log file scanning, and virus detection software packages

MONITORING

eLogic Learning has real-time monitoring, notification and reporting for network, server, email, application and database heartbeats and problems. Automated SNMP polling scripts run 24x7. In the event of a downed service, system or interface an administrator is immediately notified via cell phone/pager message. At that point, the engineer will begin resolution of the problem and notify the Client. The following is a list of key processes and metrics, which are monitored. Alarms are set off by either no response or metrics reaching critical thresholds, as defined jointly by the client and eLogic Learning:

- Bandwidth utilization
- URL
- HTTPD
- Email
- Ping
- CPU utilization
- Disk Space utilization
- Memory utilization

Clients are provided the right and authority to run externally based monitoring software to facilitate their own monitoring needs as long as such software, in the case of normal operation, does not interfere with the eLogic Learning infrastructure. Such software may include automated pings, URL monitoring and application polling.

Contact us at 1-800-500-9467
or click here to e-learn more